

GPU

Radeon™ RX 6800 Graphics

7nm GPU

RDNA 2 Architecture

Engine Clock

Boost Clock: Up to 2170 MHz

Game Clock: Up to 1950 MHz

Game Clock is the expected GPU clock when running typical gaming applications, set to typical TGP(Total Graphics Power). Actual individual game clock results may vary.

Stream Processors

3840

Infinity Cache

128MB

Ray Accelerators

60

Memory Size/Bus

16GB GDDR6

Memory Clock

16 Gbps Effective

Displays

Maximum 4 Displays

Resolution

HDMI™: 7680×4320

DisplayPort1.4: 7680×4320

Interface

PCI-Express 4.0

Output

1x HDMI

3x DisplayPort

BIOS Support

Dual UEFI

Game Index

4K

Sapphire Features

Dual BIOS

Digital Power Design

Fuse Protection

Tri-X Cooling Technology

Intelligent Fan Control

Precision Fan Control

Backplate

Two-Ball Bearing Fans

TriXX Supported

TriXX Boost

AMD Features

AMD RDNA™ 2 Gaming Architecture

DirectX® 12 Ultimate

Hardware Raytracing

7nm GPU

GDDR6 Memory

PCI® Express 4.0 Support

AMD FreeSync™ Technology

DisplayPort™ 1.4 with DSC

HDMI™ 2.1 VRR

Video Streaming up to 8K

Radeon™ VR Ready Premium

AMD FidelityFX

Radeon™ Image Sharpening

Radeon™ Anti-Lag

Radeon™ Software

Game Driver Optimizations

High Performance 4K Gaming

Cooling

3 Fans

Form Factor

2.5 slot, ATX

Dimension: 303(L)X 127.3(W)X 53.8 (H)mm

Power Consumption

280W

OS

Linux®, Windows® 7*, Windows® 10, and Windows 8.1. 64-bit operating system required

*Does not support all features including but not limited to Hardware Raytracing

System Requirement

Minimum 650 Watt Power Supply

2 x 8-pin Power Connector.

PCI Express® based PC is required with one X16 lane graphics slot available on the motherboard.

Minimum 8GB of system memory. 16GB recommended.